

2024-10-24 09:04:00

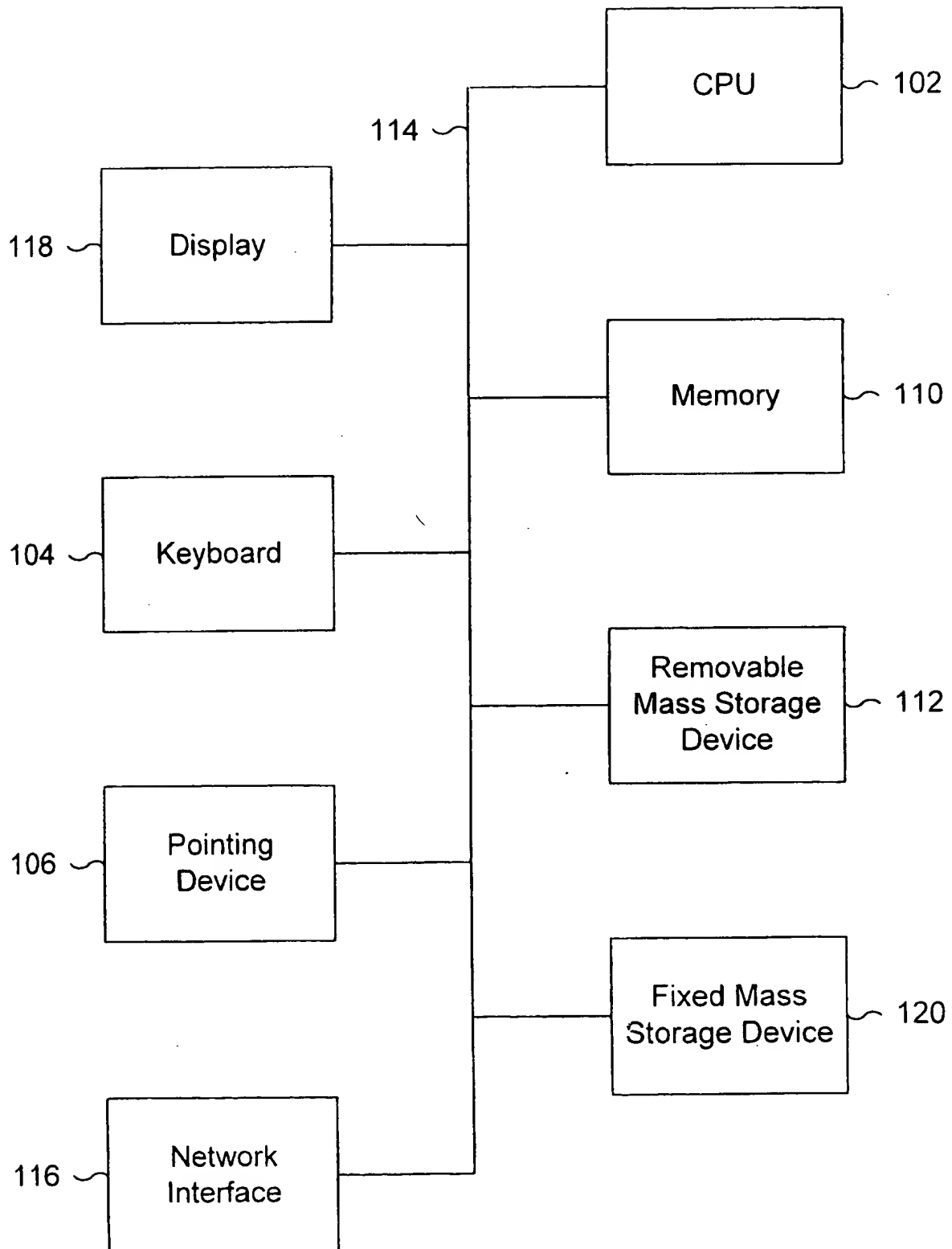


Figure 1

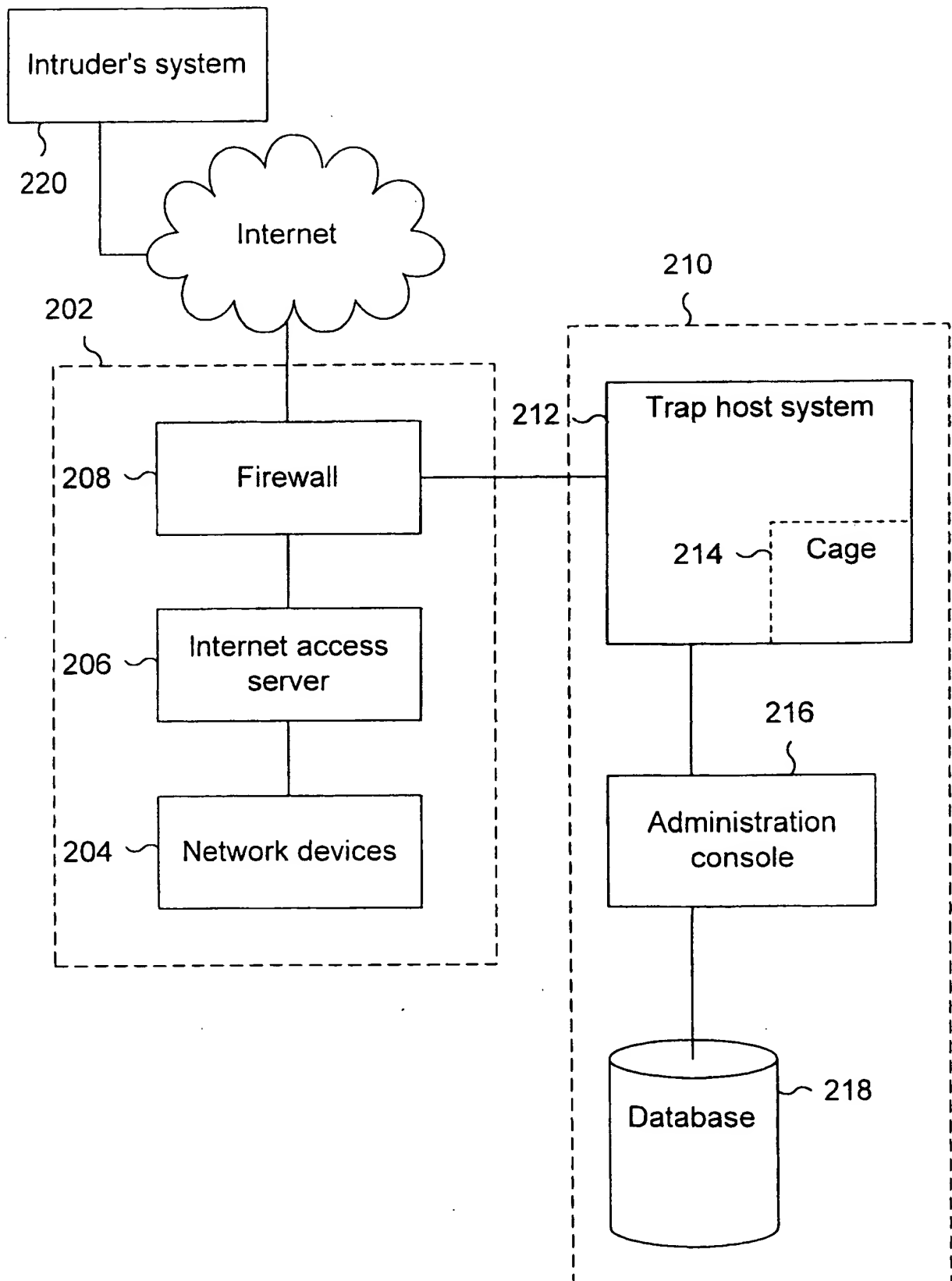


Figure 2

09-06-2017

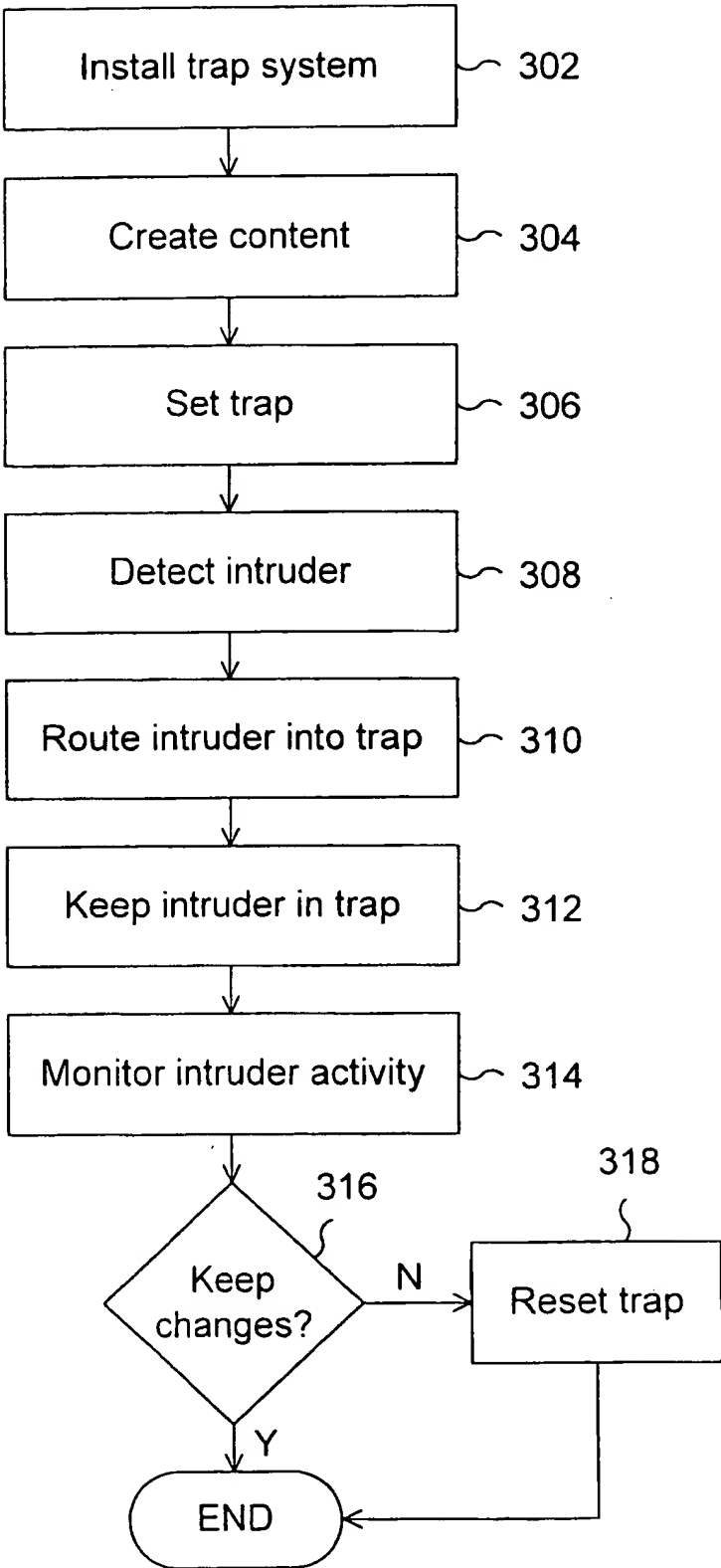


Figure 3

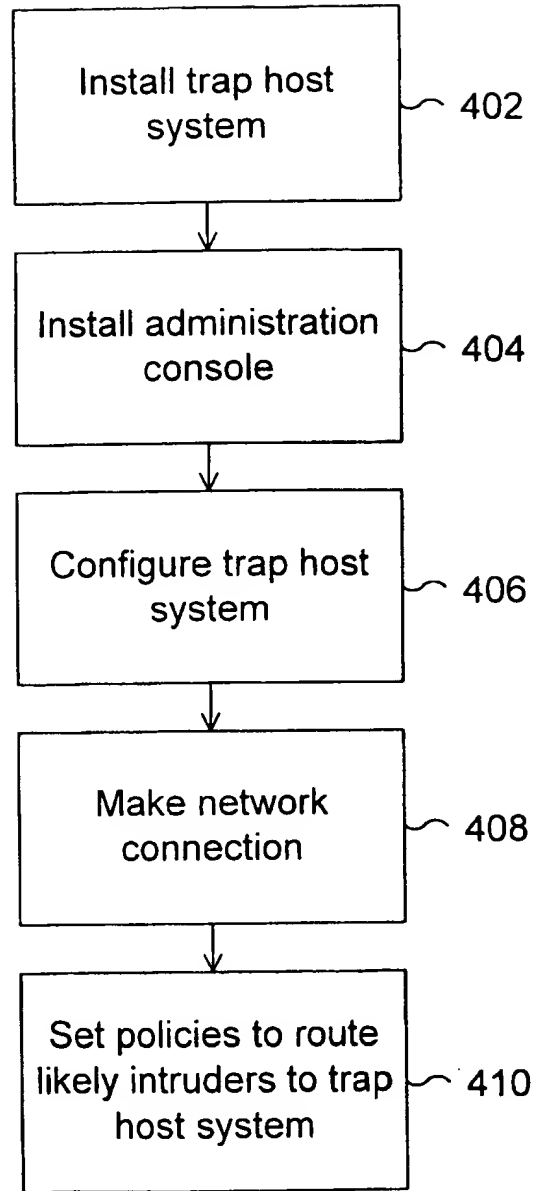


Figure 4

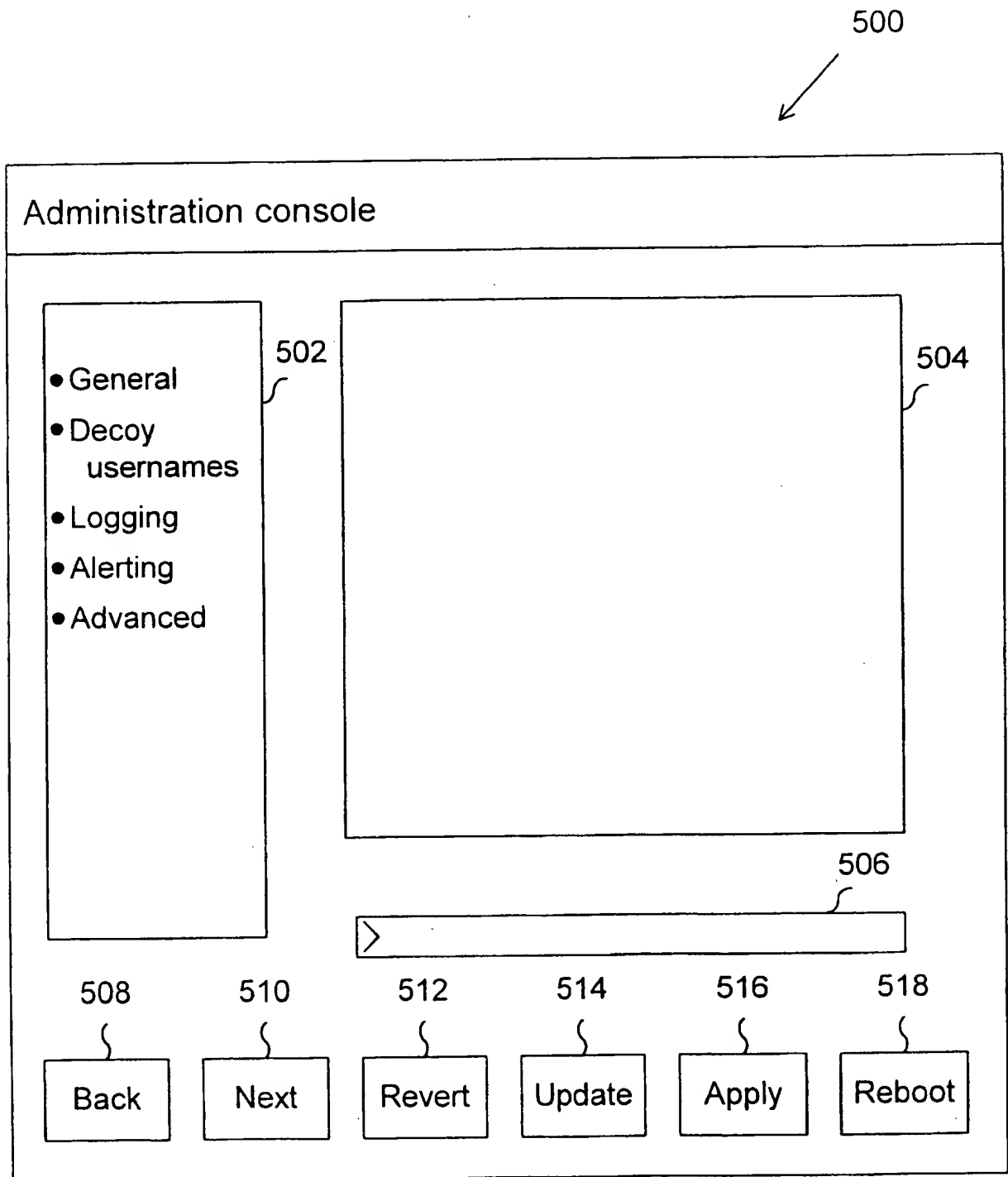


Figure 5

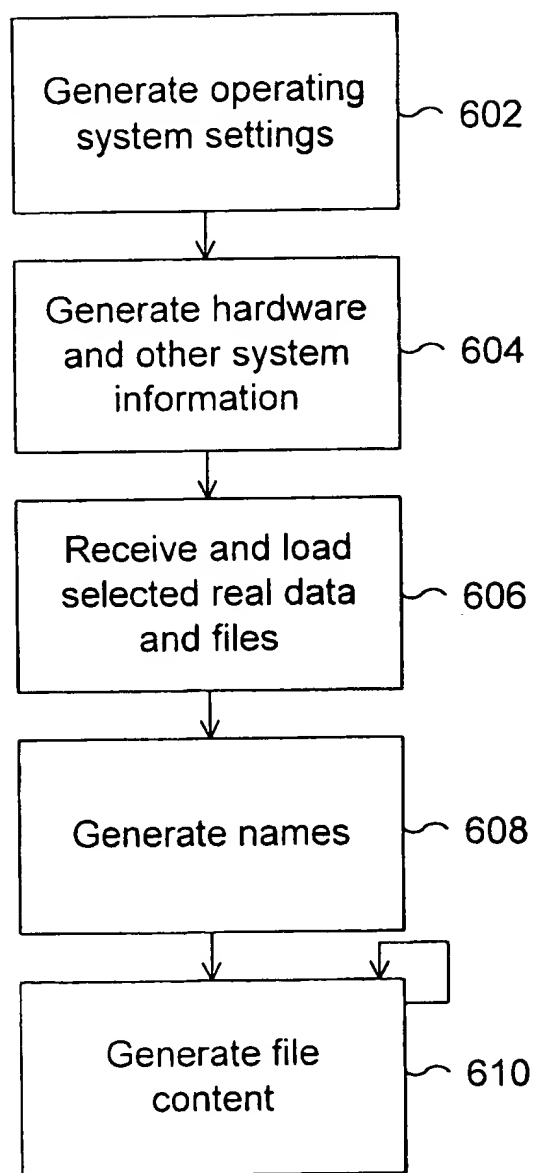


Figure 6

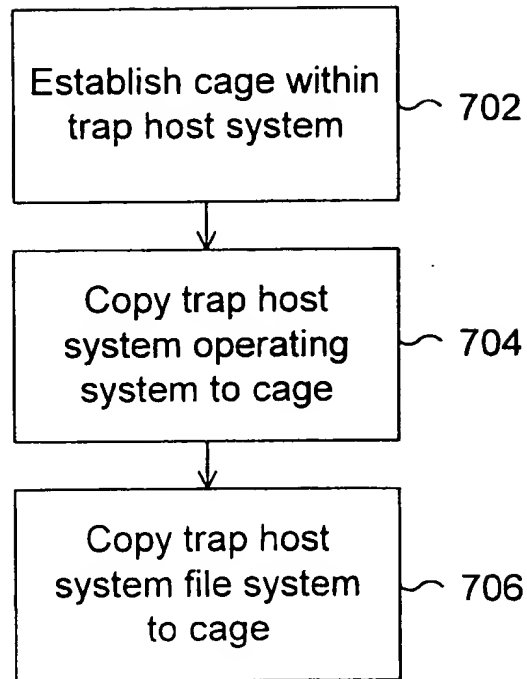


Figure 7

09041609 040301

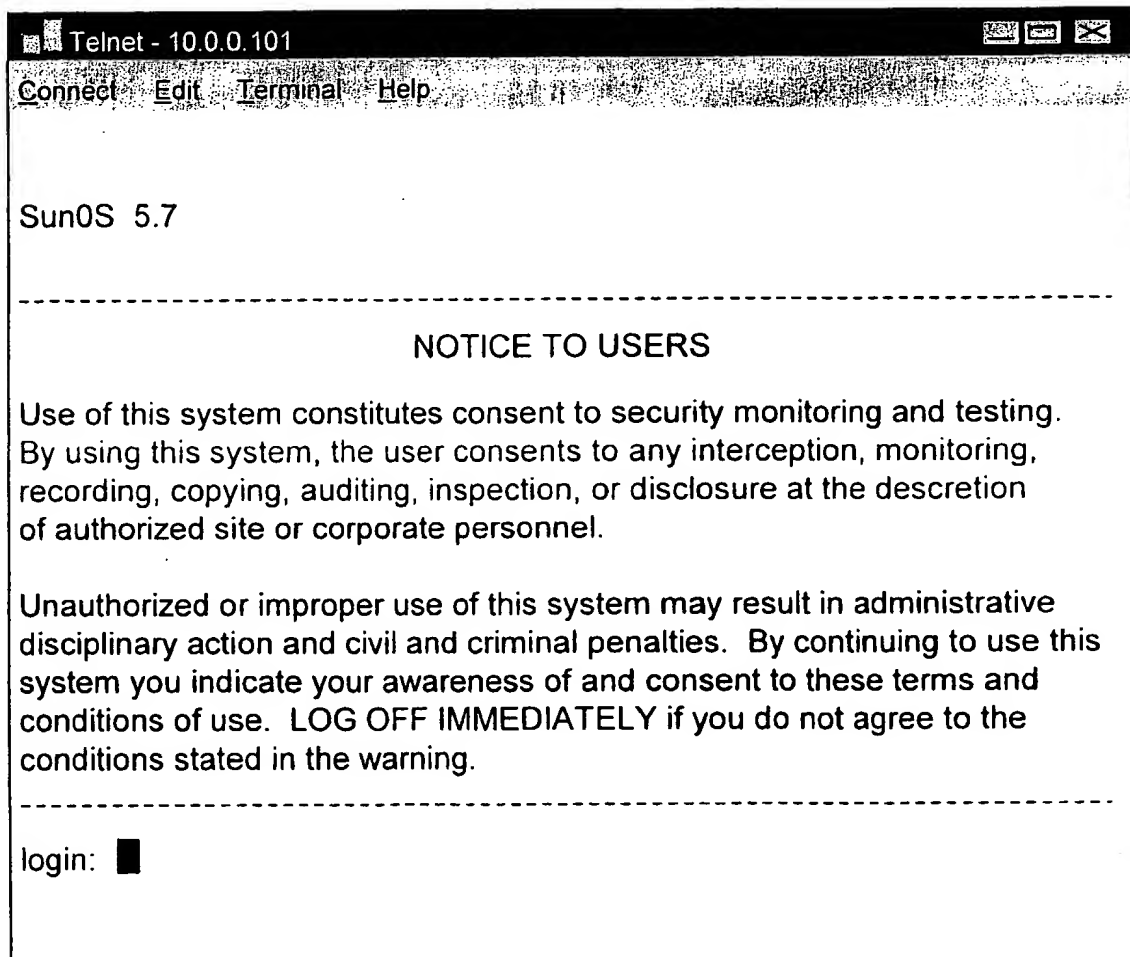


Figure 8

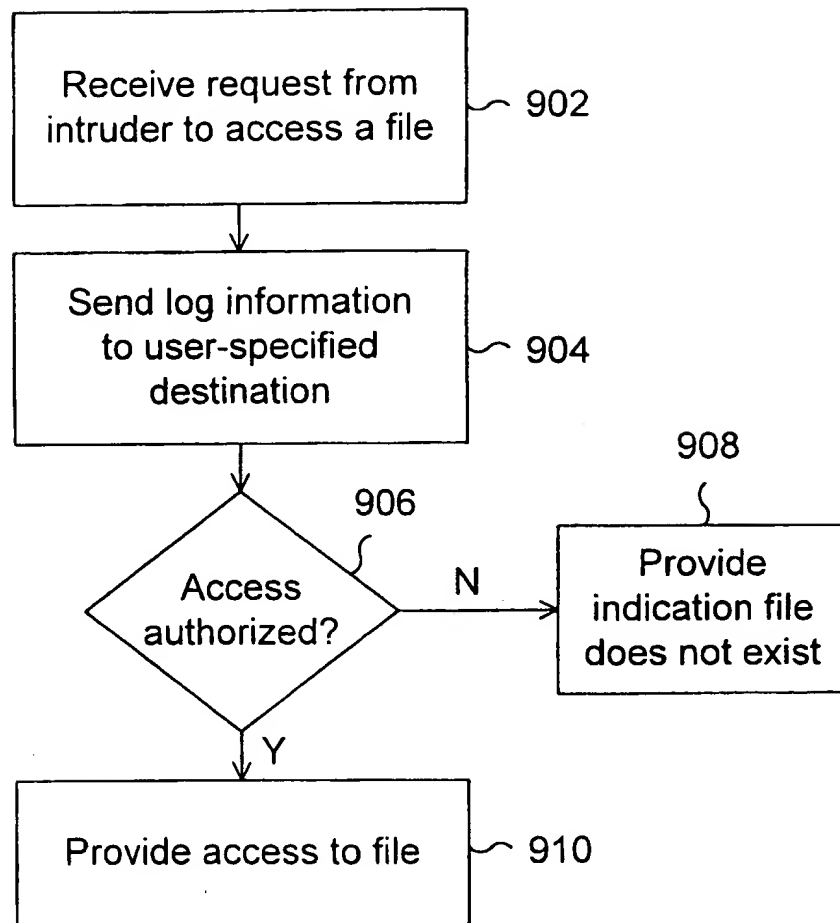


Figure 9

09841639 04:30:1

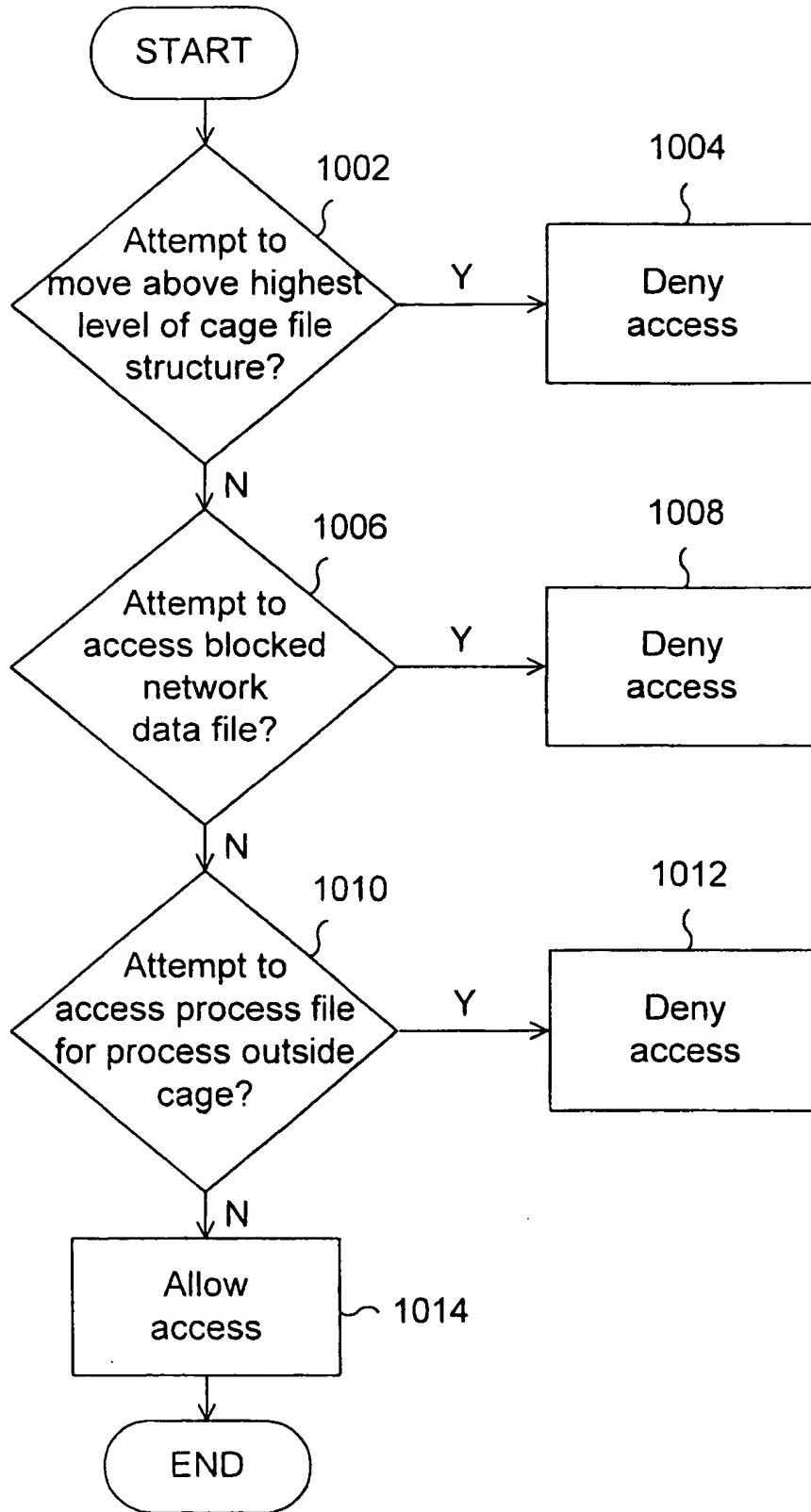


Figure 10

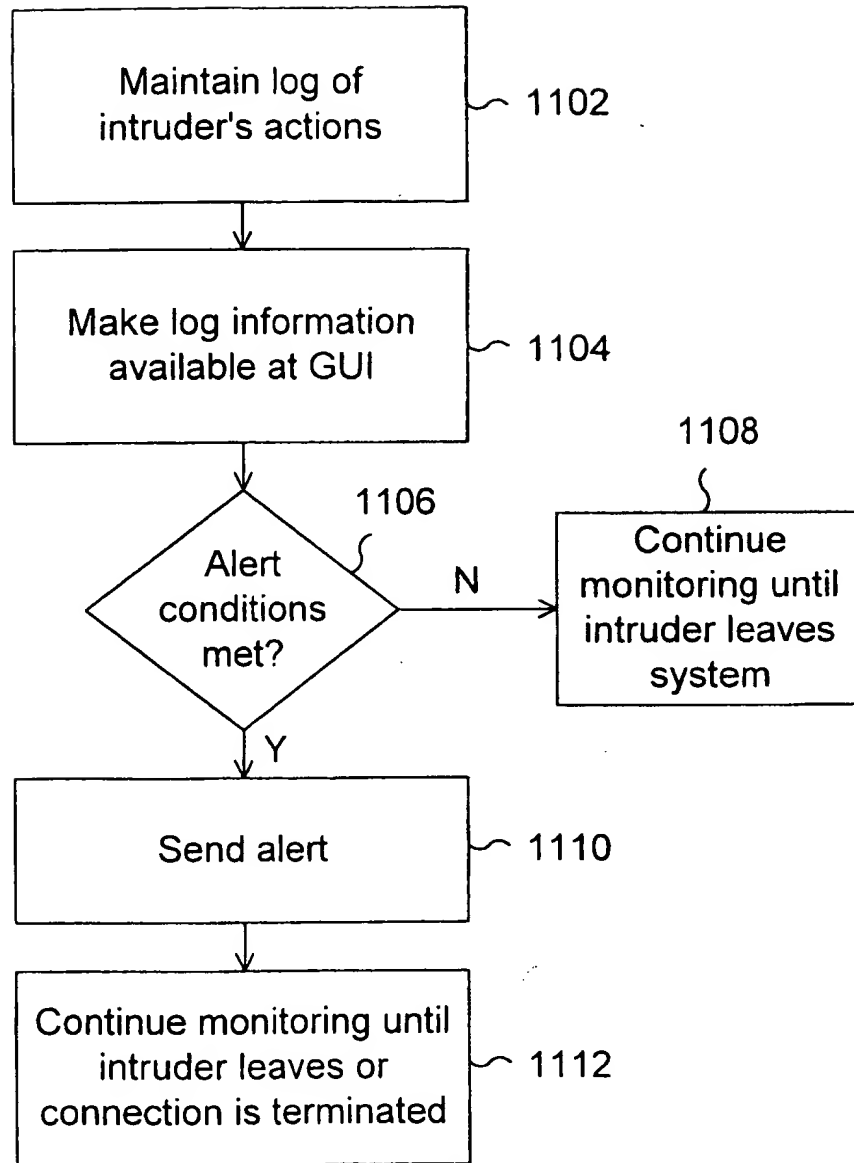


Figure 11A

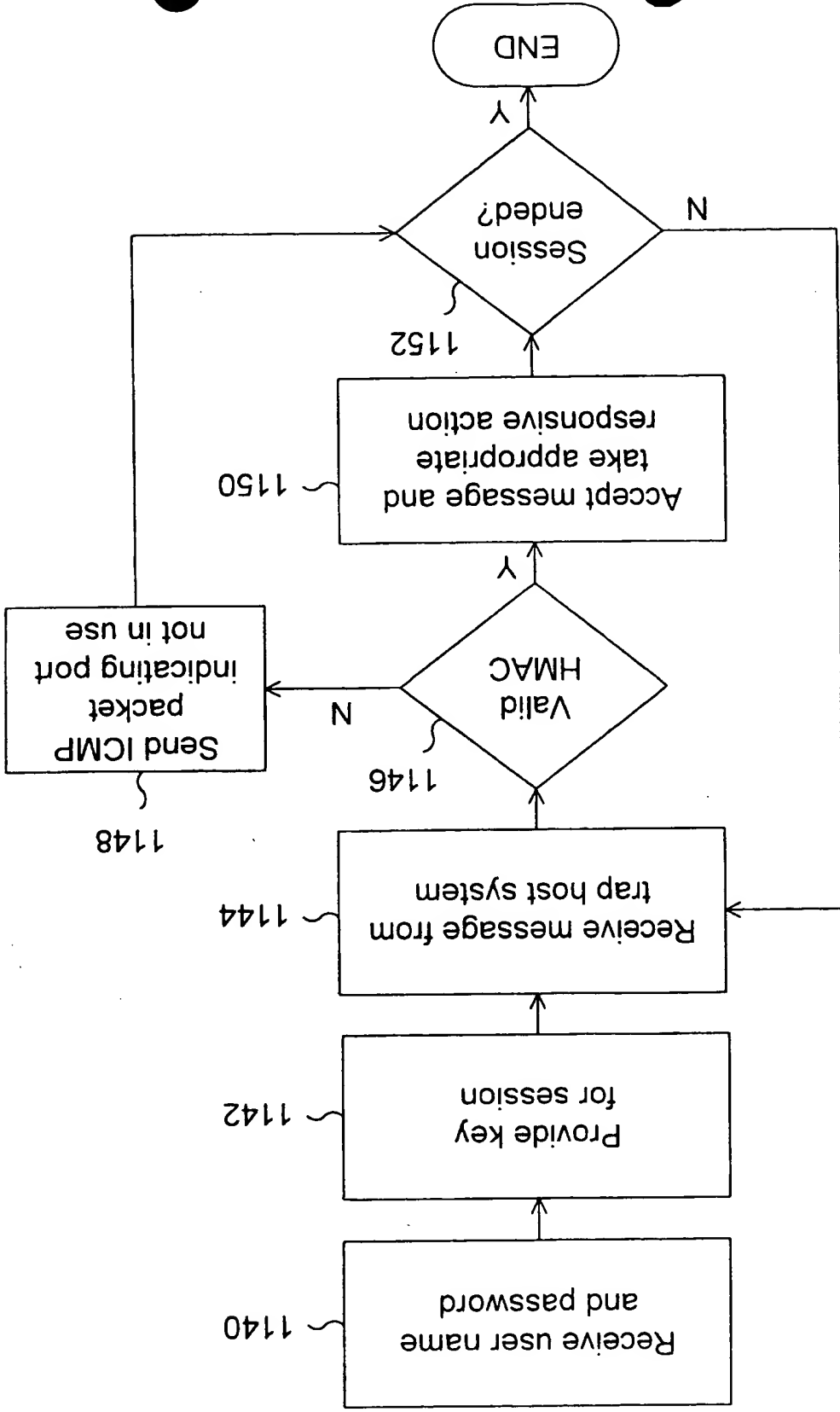


Figure 11C

09841639-042001

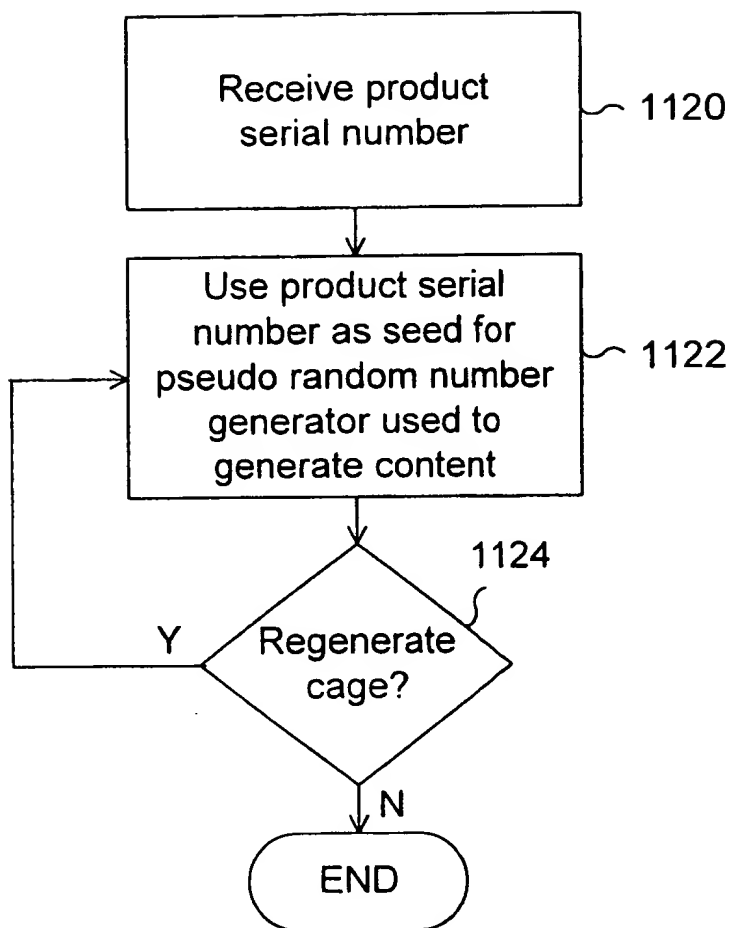


Figure 11B

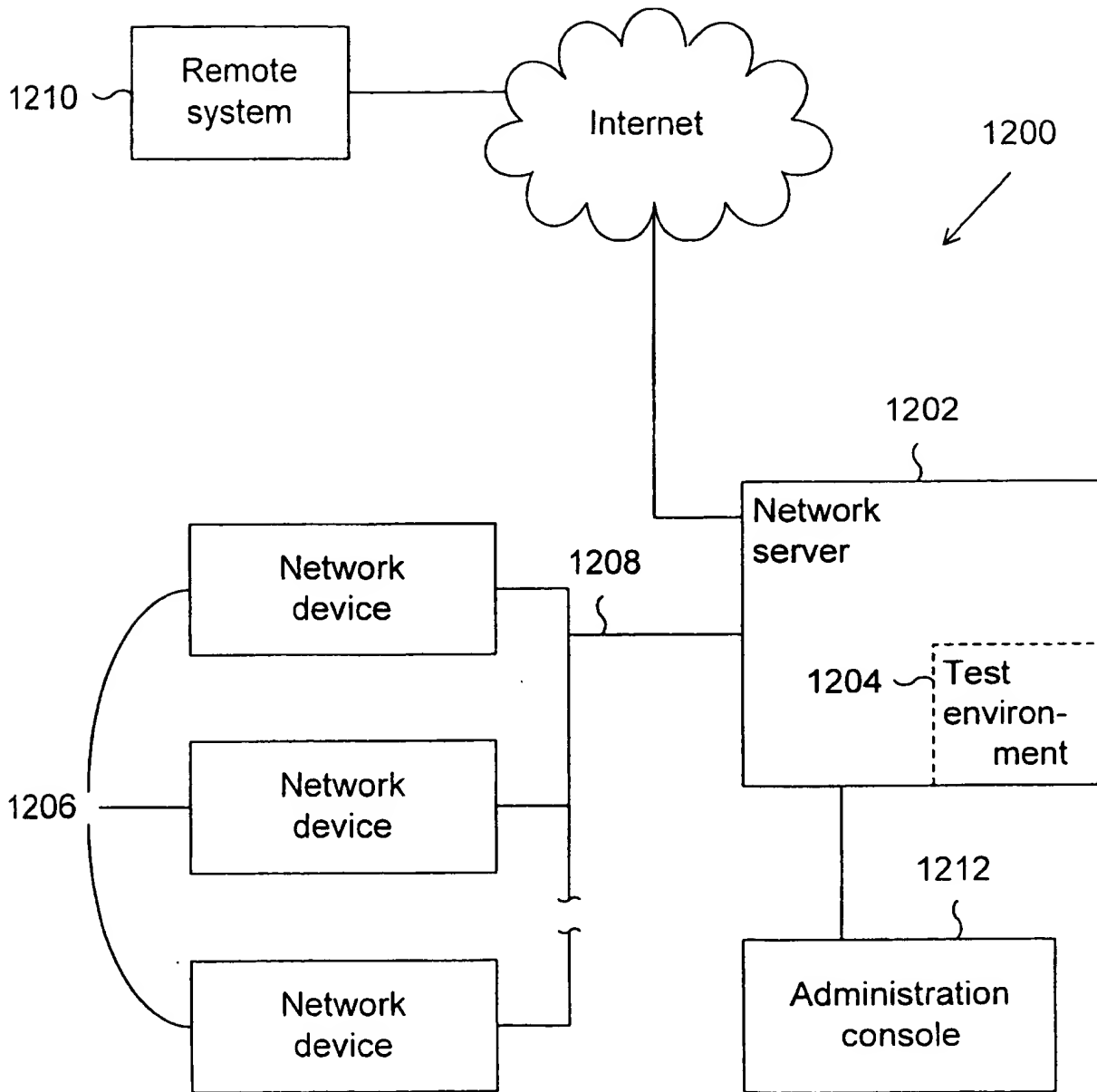


Figure 12

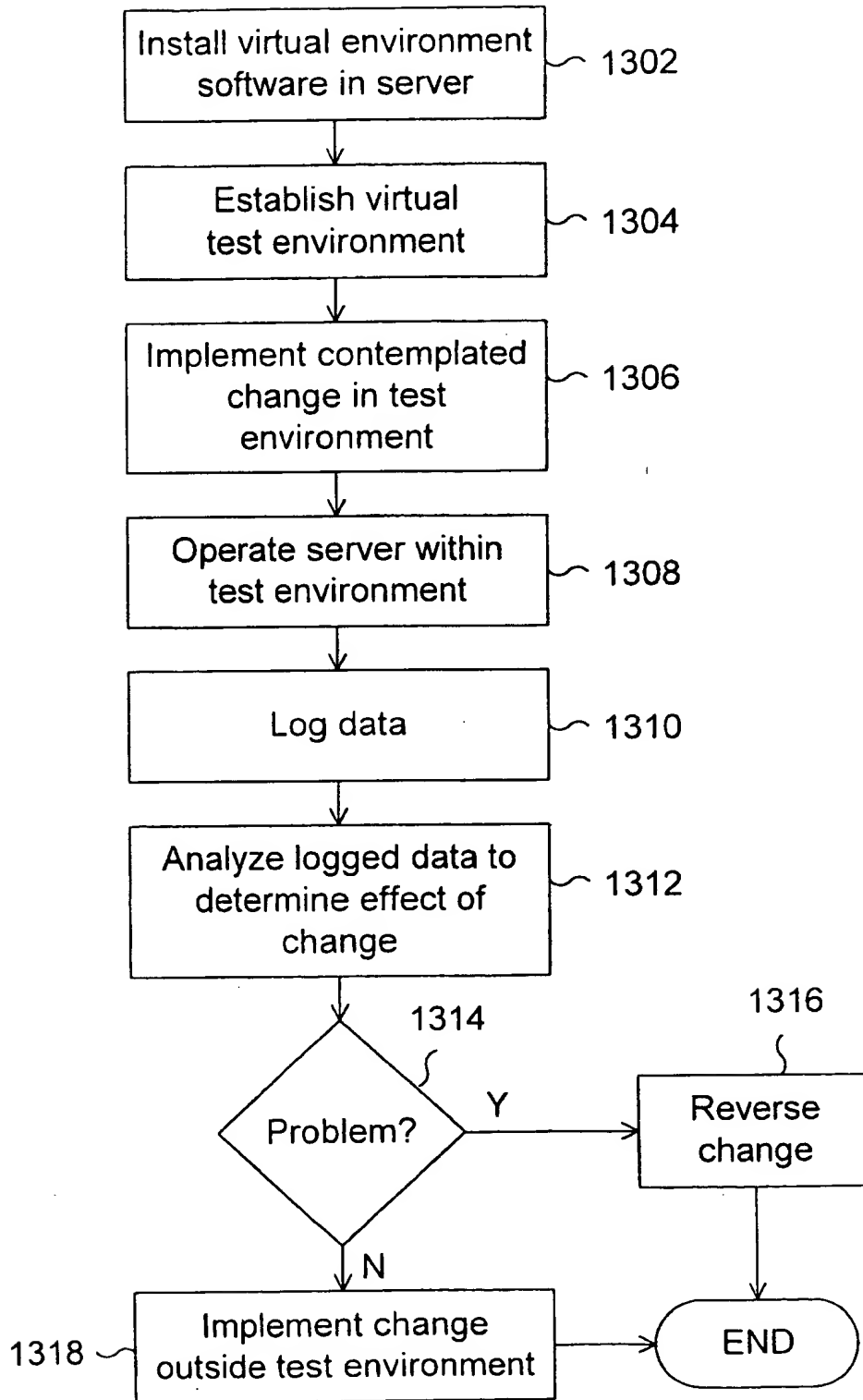


Figure 13

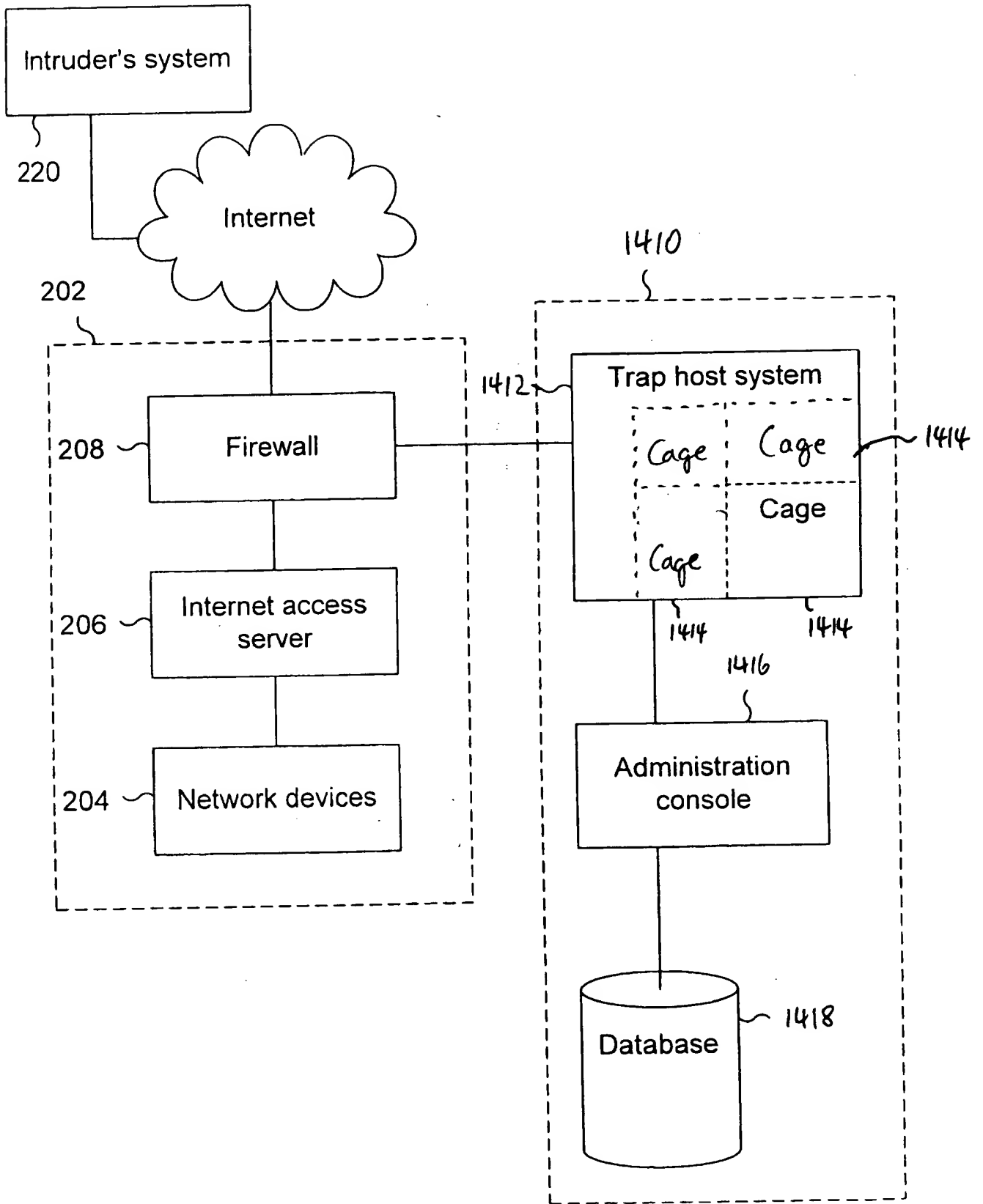


Figure 14

09841689.042304

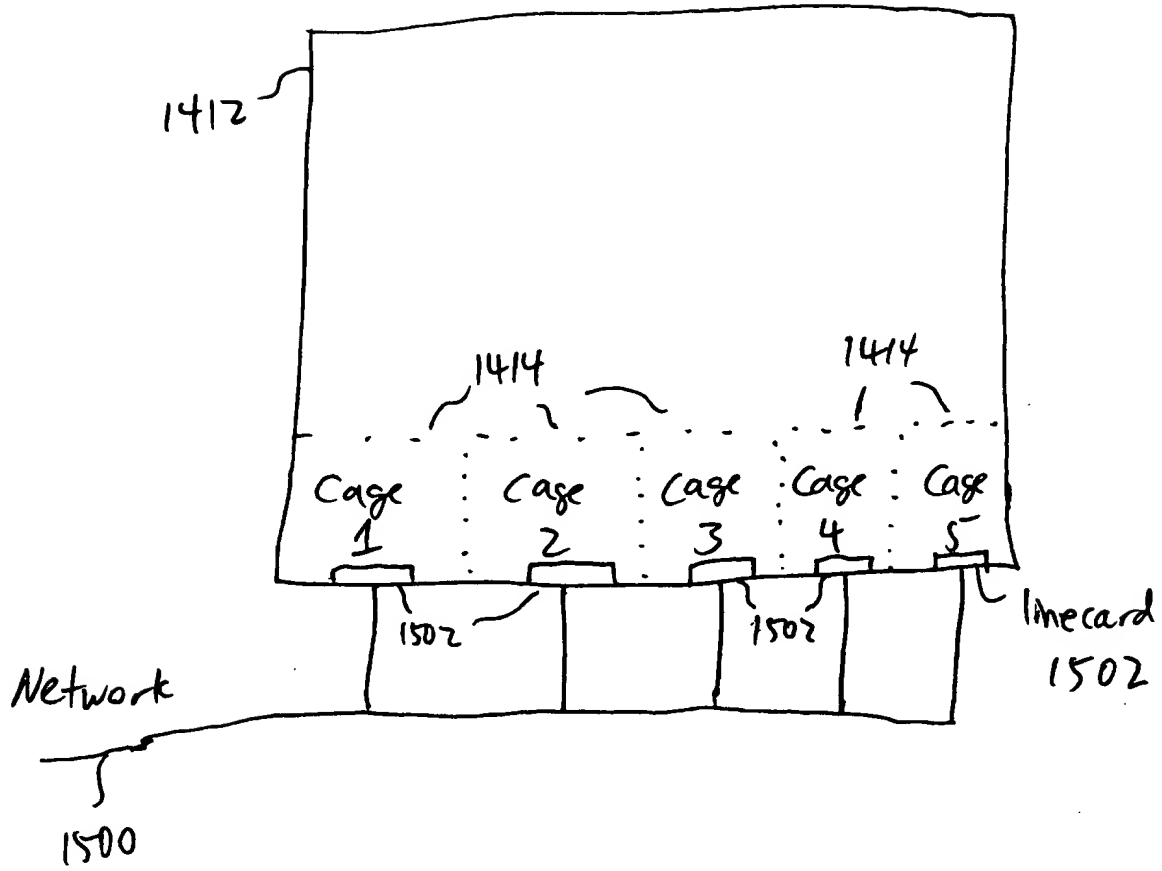


Figure 15

09641689-042304

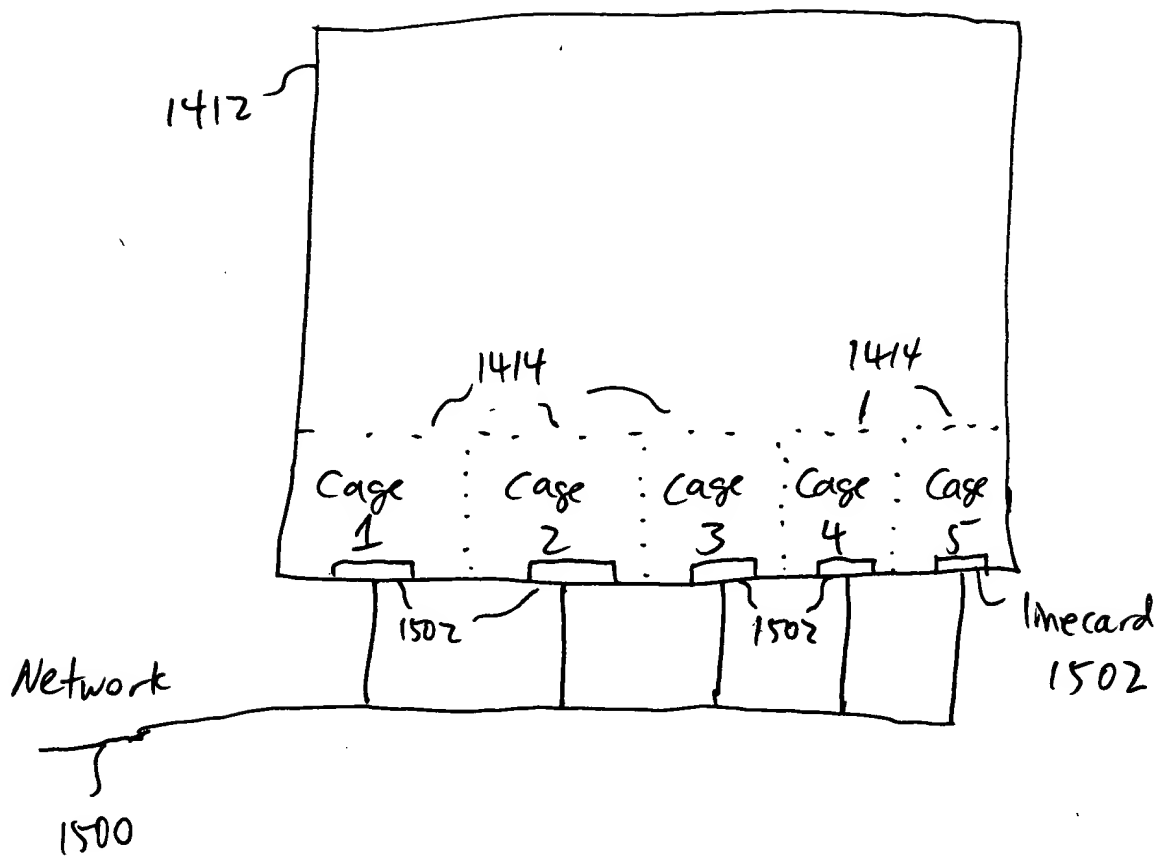
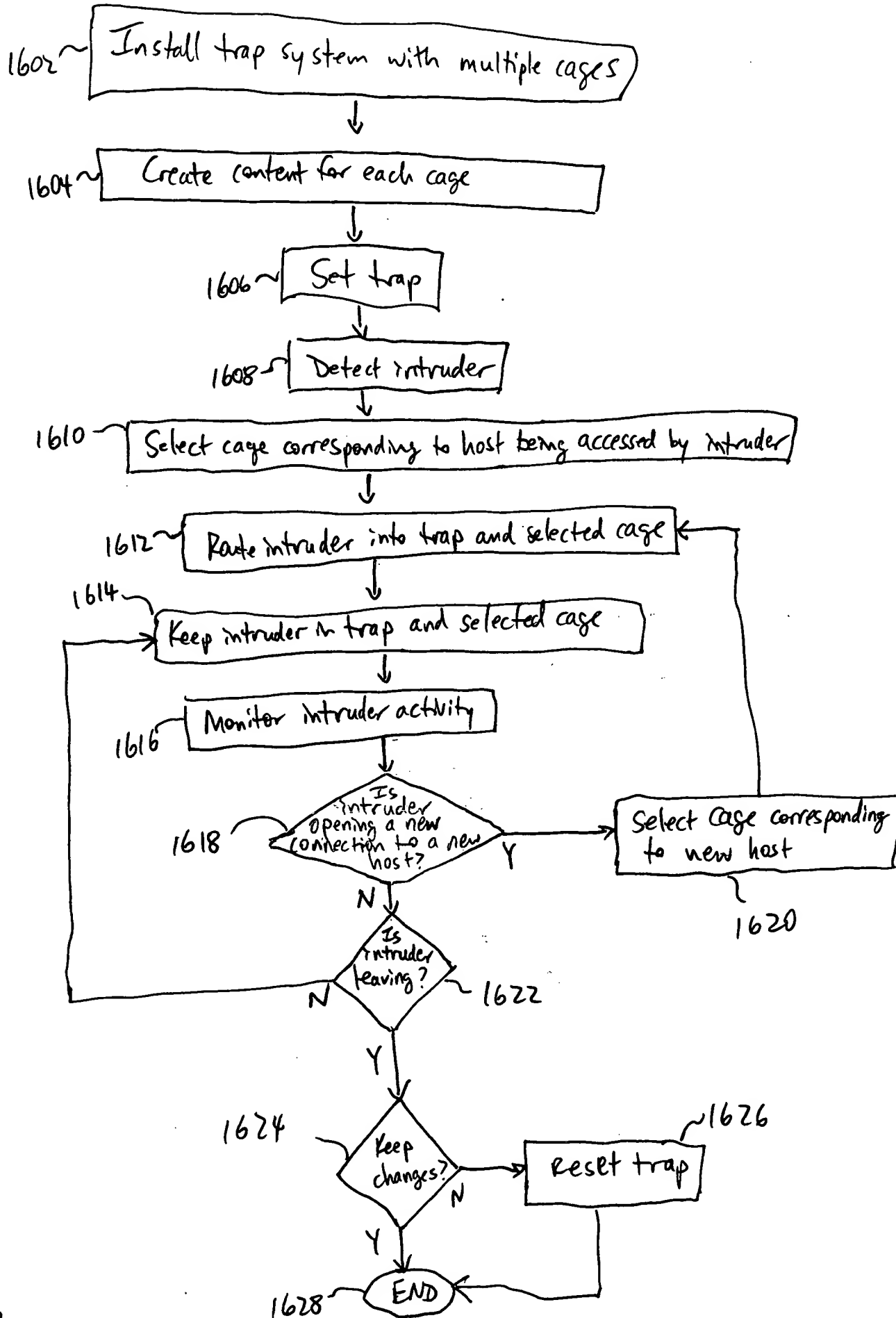


Figure 15



09841639.042301

FIGURE 16

09341639 042301

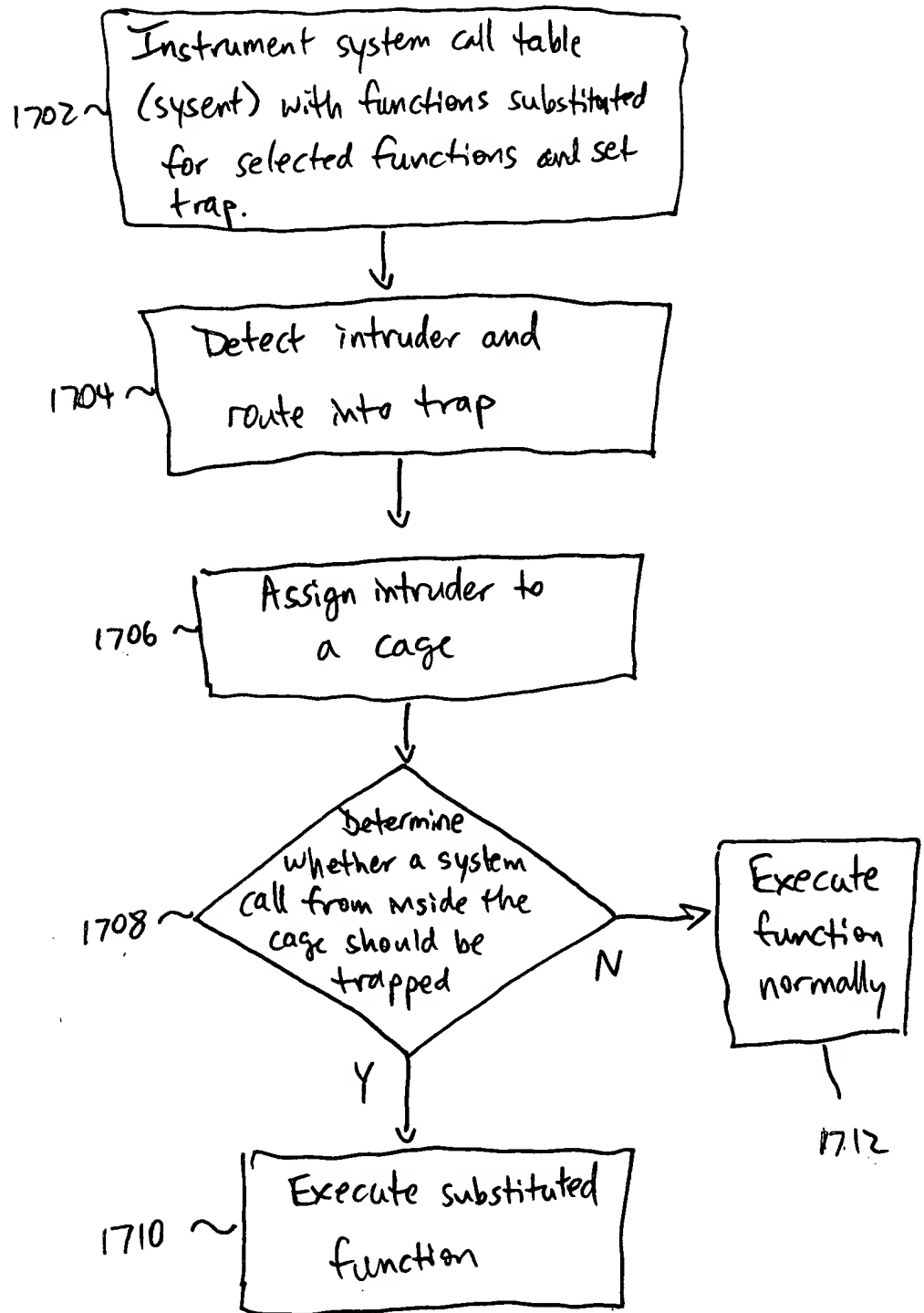


Figure 17

US 2016/016304 A1

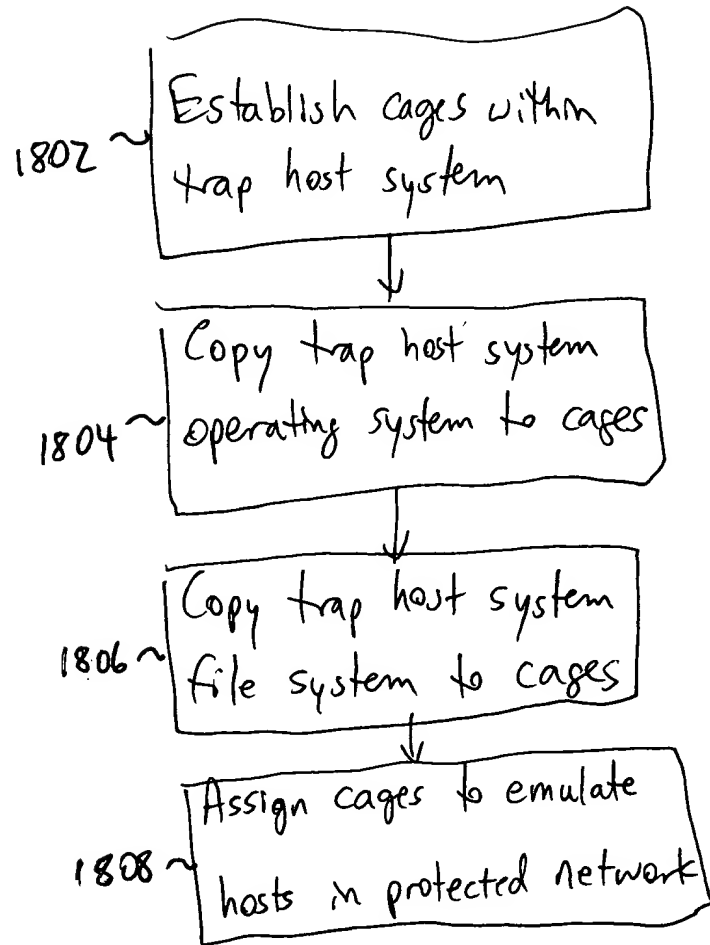


Figure 18

09841689-042301

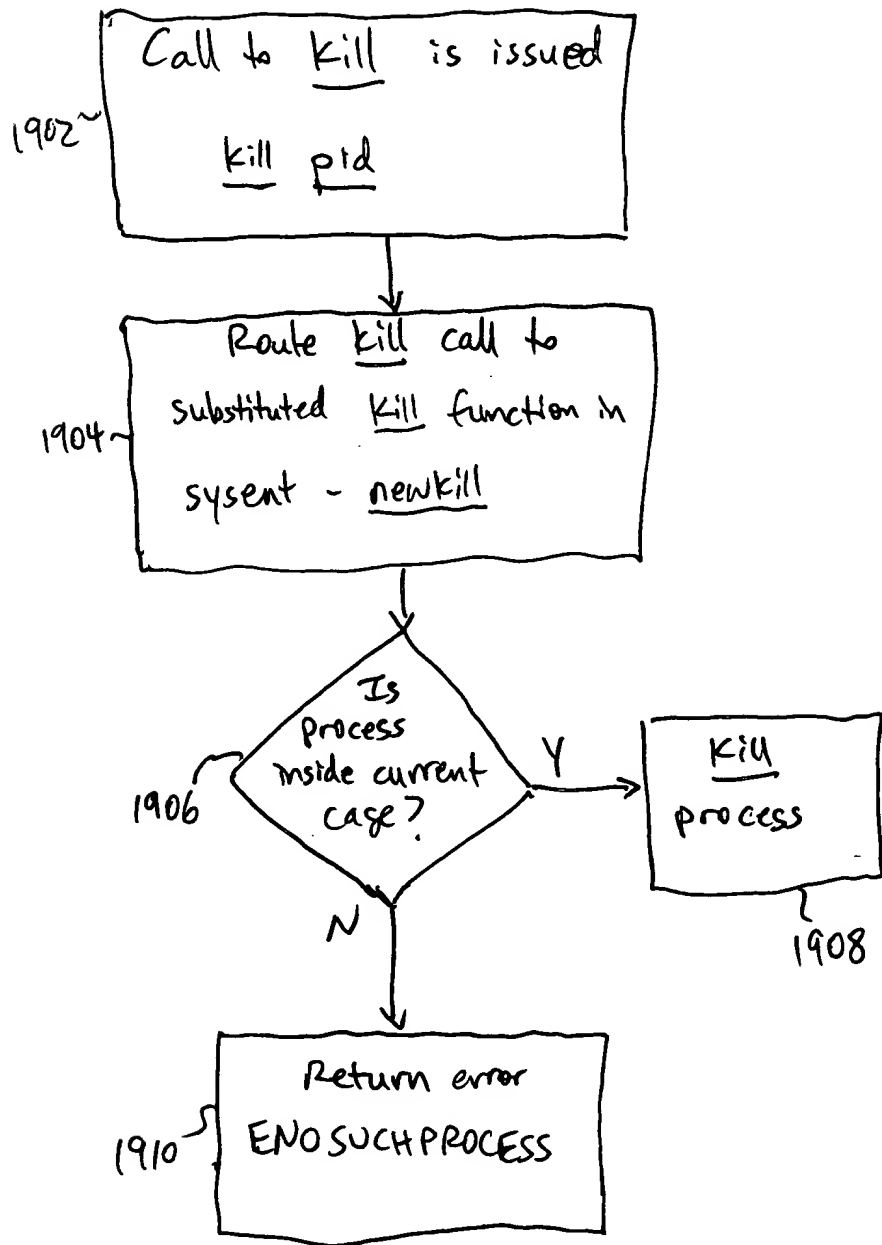


Figure 19

09841689-042301

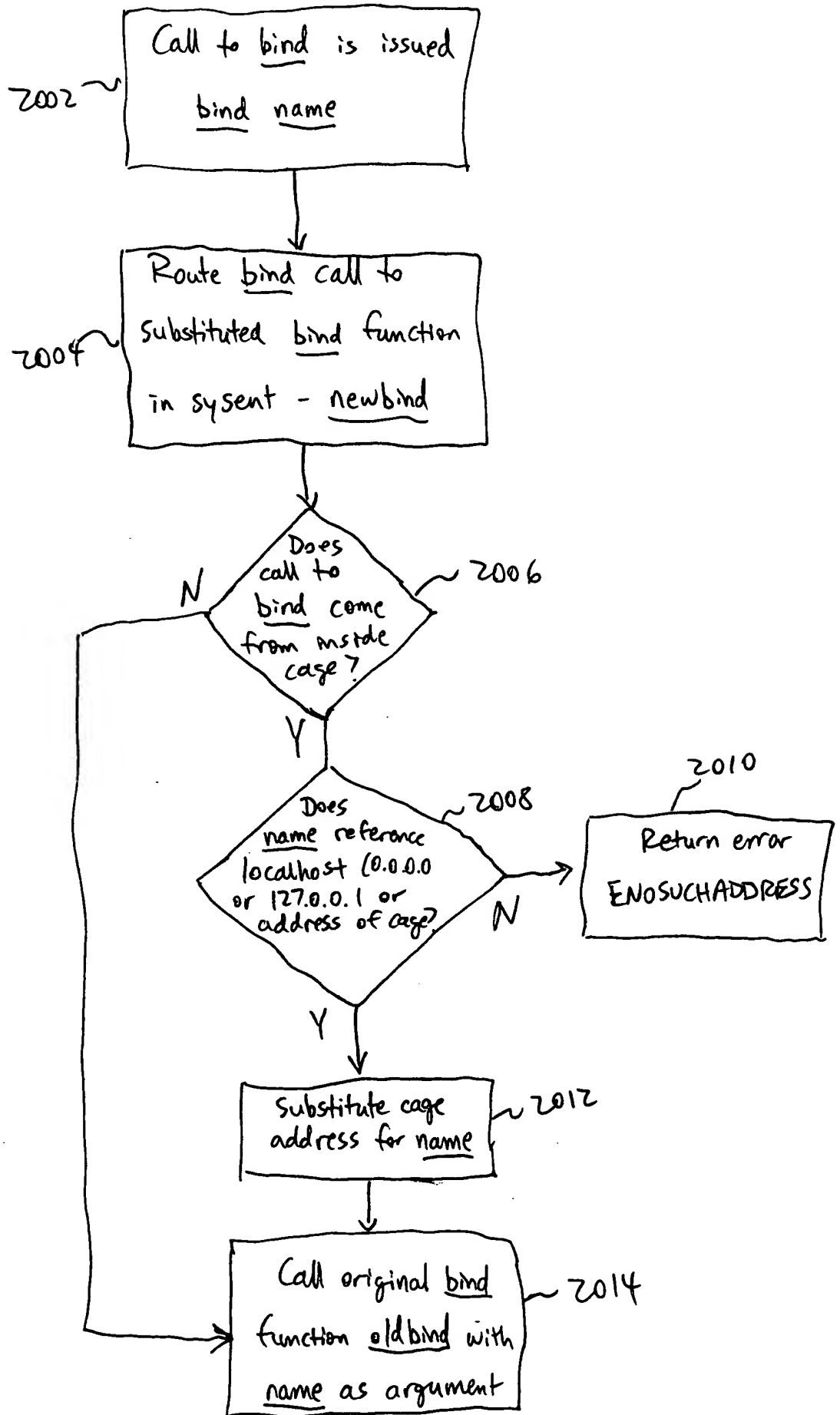


Figure 20

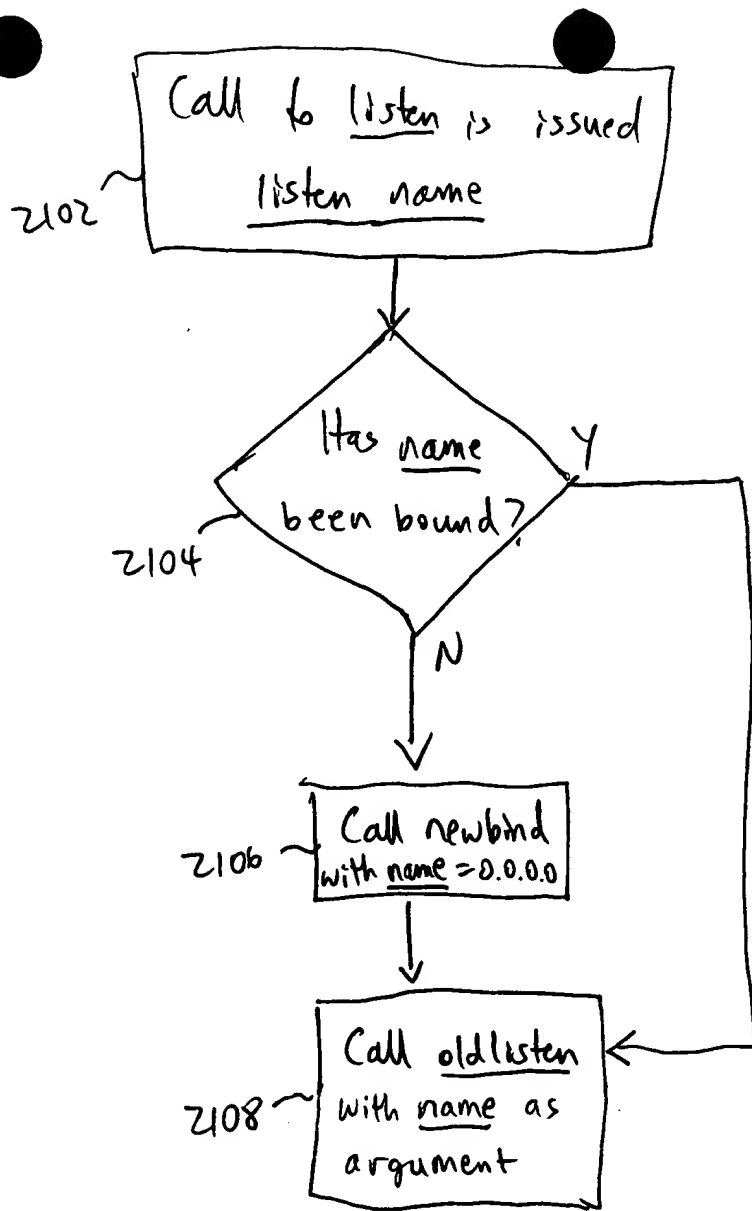


Figure 21

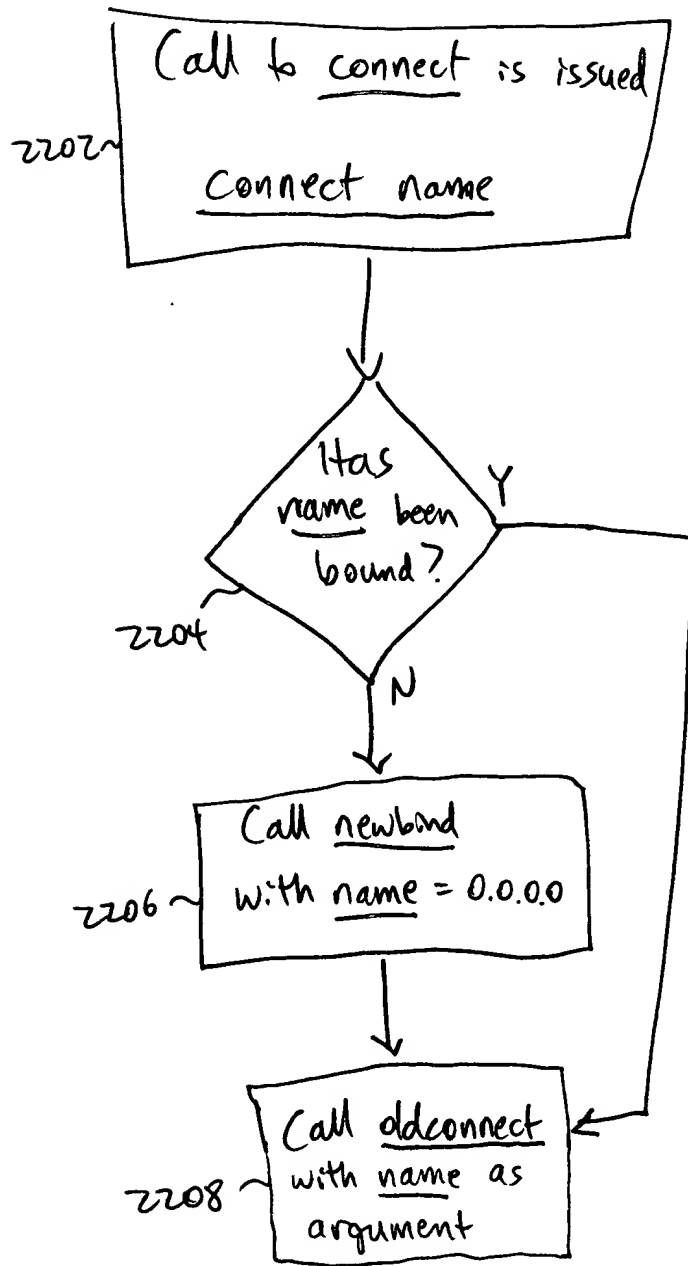


Figure 22

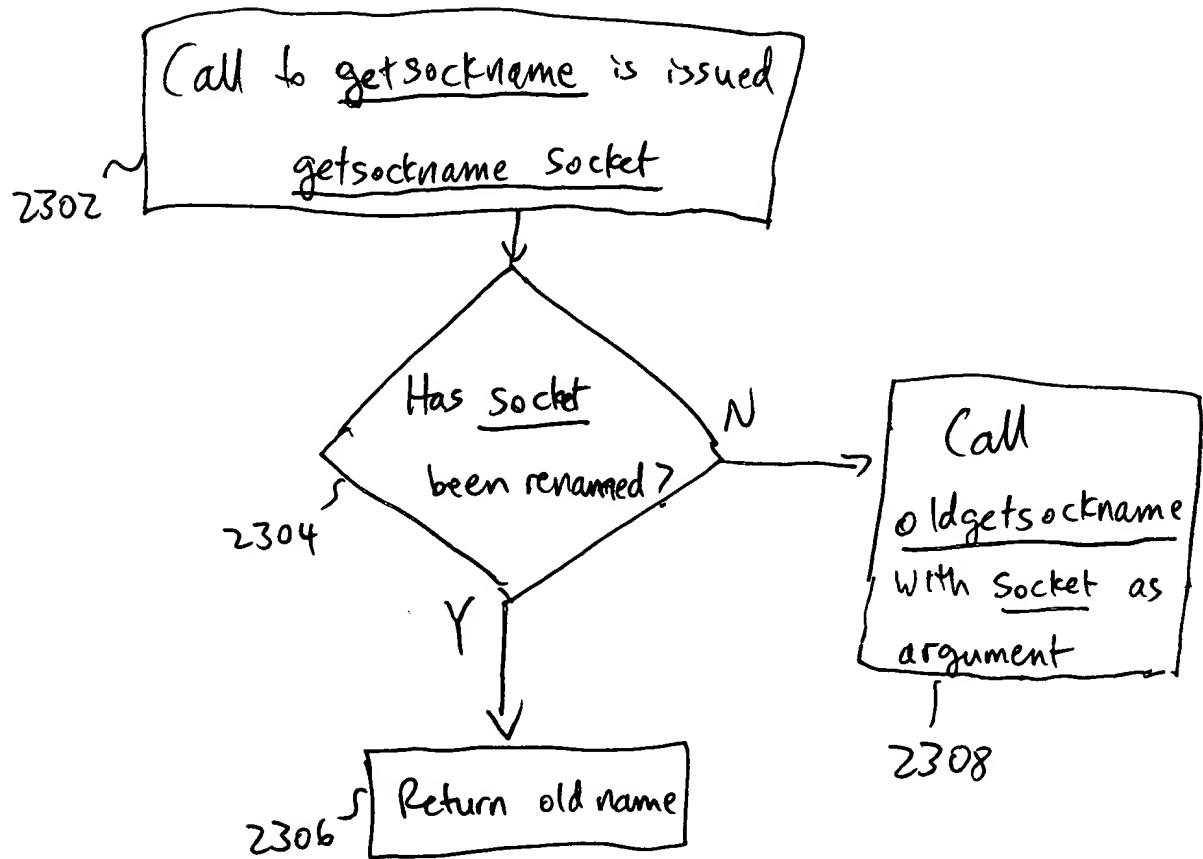


Figure 23

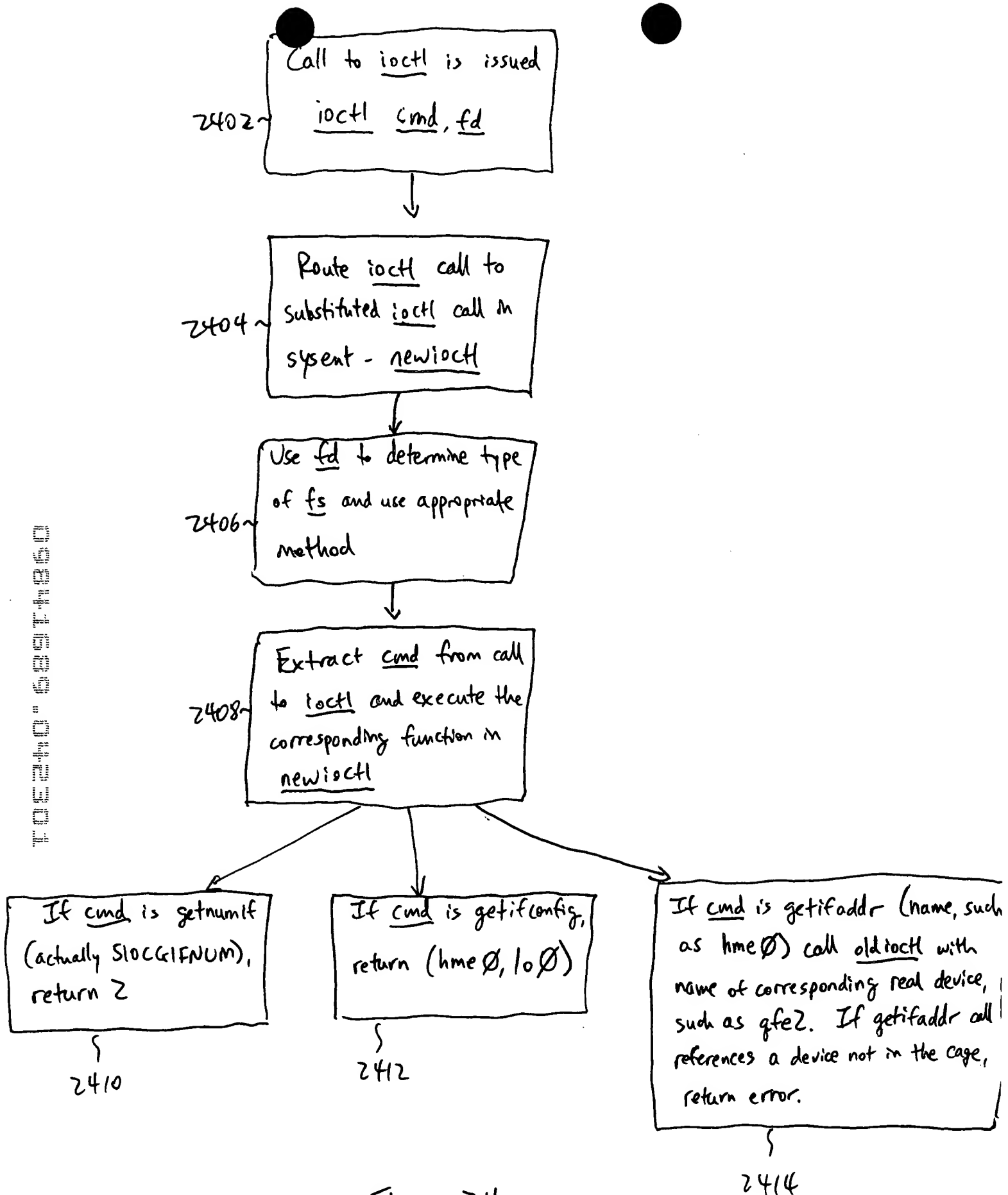


Figure 24

09841669-042301

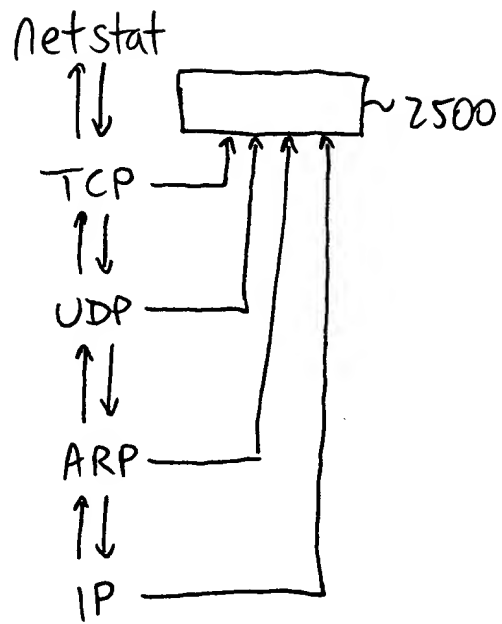


Figure 25

```
<doc>
  <regex-query>
    <name>Possible SGID Exploit</name>
    <properties>
      <priority>10</priority>
    </properties>
    <pattern>
      <next>
        <line>.*exec args=.*pid=\((\d+)\); ppid=\((\d+)\); uid=\((\d+)\); euid=
        \((\d+)\); gid=\([1-9]\d*\); egid=\(0\).*</line>
      </next>
      <next>
        <line>.*args=\([\\-\\w\\\\/ ]+\); pid=\((\d+)\); ppid=\(%1%\).*</line>
      </next>
    </pattern>
    <procmatch>
      <actionpair>
        <line>.*args=\([\\-\\w\\\\/ ]+\).*ppid=\(%1%\).*</line>
        <action>
          <highlight/>
          <delete/>
          <varop var="agg">%1%</varop>
        </action>
      </actionpair>
    </procmatch>
    <annotation>
      <text>Possible SGID Exploit: %agg%</text>
    </annotation>
  </regex-query>
</doc>
```

Figure 26

```

<doc>
  <regex-query>
    <name>Possible SUID Exploit</name>
    <properties>
      <priority>10< /priority>
    </properties>
    <pattern>
      <next>
        <line>.*exec args=.*pid=\((\d+)\); ppid=\(\d+\); uid=\([1-9]\d*\);
euid=\(0\).*</line>
      </next>
      <next>
        <line>.*args=\(.+\); pid=\(\d+\); ppid=\(%1%\).*</line>
      </next>
    </pattern>
    <procmatch>
      <actionpair>
        <line>.*args=\(.+\); pid=\(\d+\); ppid=\(%1%\).*</line>
        <action>
          <highlight/>
          <delete/>
          <varop var="agg">%1%</varop>
        </action>
      </procmatch>
      <annotation>
        <text>Possible SUID Exploit: %agg%</text>
      </annotation>
    </regex-query>
  </doc>

```

09041639-042301

Figure 27

```

<doc>
<regexp-query>
  <name>All Processes</name>
  <properties>
    <priority>10</priority>
  </properties>
  <pattern>
    <next>
      <line>.*proclog.*args=\(((\\-\\.\\w\\|\\ / ]+))\\).*</line>
    </next>
  </pattern>
  <procmatch>
    <actionpair>
      <line>.*args=\(((\\-\\.\\w\\|\\ / ]+))\\).*</line>
      <action>
        <highlight/>
        <delete/>
        <varop var="agg">%1%</varop>
      </action>
    </actionpair>
  </procmatch>
  <annotation>
    <text>Process started: %agg%</text>
  </annotation>
</regexp-query>
</doc>

```

Figure 28

0584-1689-042301


```

<doc>
<regexp-query>
  <name>All Shell-spawned Processes</name>
  <properties>
    <priority>l0</priority>
  </properties>
  <pattern>
    <next>
      <line>.*exec args=\(-sh\); pid=\((\d+)\).*</line>
    </next>
    <next>
      <line>.*args=\(([^\-\\w\\\/ ]+)\).*ppid=\(%l%\).*</line>
    </next>
  </pattern>
  <procmatch>
    <actionpair>
      <line>.*args=\(([^\-\\w\\\/ ]+)\).*ppid=\(%l%\).*</line>
      <action>
        <highlight/>
        <varop var="agg">%l%</varop>
      </action>
    </actionpair>
  </procmatch>
  <annotation>
    <text>Executed from a shell: %agg%</text>
  </annotation>
</regexp-query>
</doc>

```

05041609.042301

Figure 30


```

<doc>
<regexp-query>
  <name>Find Monitored</name>
  <properties>
    <priority>l0</priority>
  </properties>
  <args>
    <file_name>.+</file_name>
    <pid>\d+</pid>
  </args>
  <pattern>
    <next>
      <line>.*monitored file opened name=\(%file_name%\)
pid=\(%pid%\).*</line>
    </next>
    </pattern>
    <procmatch>
      <actionpair>
        <line>.*monitored file opened name=\((.+)\)
pid=\((.+)\).*</line>
        <action>
          <highlight/>
          <delete/>
          <varop var="filename">%1%</varop>
          <varop var="pidvar">%2%</varop>
        </action>
      </actionpair>
    </procmatch>
    <annotation>
      <text>File Opened: %filename% (from pid: %pidvar%)</text>
    </annotation>
  </regexp-query>
</doc>

```

Figure 34